



myCompiler

## task 6

an anonymous user · 6  
minutes ago

Run Fork

## Output

```

1  -- Create Table
2  CREATE TABLE online_sales (
3      order_id INT PRIMARY KEY,
4      order_date DATE NOT NULL,
5      amount DECIMAL(10, 2) NOT NULL,
6      product_id INT NOT NULL
7  );
8
9  -- Insert Records
10 INSERT INTO online_sales (order_id, order_date, amount,
11 VALUES
12 (1, '2024-01-05', 120.00, 101),
13 (2, '2024-01-12', 75.50, 102),
14 (3, '2024-01-25', 200.00, 103),
15 (4, '2024-02-03', 95.99, 101),
16 (5, '2024-02-14', 150.00, 104),
17 (6, '2024-02-28', 185.25, 102),
18 (7, '2024-03-07', 300.00, 105),
19 (8, '2024-03-20', 250.75, 101),
20 (9, '2024-04-01', 99.99, 103),
21 (10, '2024-04-18', 125.00, 104),
22 (11, '2024-05-05', 180.40, 102),
23 (12, '2024-05-23', 220.00, 105);
24
25 -- a. Use strftime() to get year & month and show revenue
26 SELECT 'Full Revenue and Volume by Month' AS section;
27 SELECT
28     strftime('%Y', order_date) AS year,
29     strftime('%m', order_date) AS month,
30     SUM(amount) AS total_revenue,
31     COUNT(DISTINCT order_id) AS order_volume
32 FROM
33     online_sales
34 GROUP BY
35     year, month
36 ORDER BY
37     year, month;
38
39 -- b. GROUP BY year/month

```

Full Revenue and Volume by

2024 01 395.5 3
2024 02 431.24 3
2024 03 550.75 2
2024 04 224.99 2
2024 05 400.4 2

Group by Year and Month Onl

2024 01
2024 02
2024 03
2024 04
2024 05

Monthly Revenue Only (SUM)

2024 01 395.5
2024 02 431.24
2024 03 550.75
2024 04 224.99
2024 05 400.4

Monthly Order Volume Only (

2024 01 3
2024 02 3
2024 03 2
2024 04 2
2024 05 2

Revenue + Volume Ordered by

2024 01 395.5 3
2024 02 431.24 3
2024 03 550.75 2
2024 04 224.99 2
2024 05 400.4 2

[Execution complete with ex

```
40 SELECT 'Group by Year and Month Only' AS section;
41 SELECT
42     strftime('%Y', order_date) AS year,
43     strftime('%m', order_date) AS month
44 FROM
45     online_sales
46 GROUP BY
47     year, month;
48
49 -- c. Use SUM() for revenue
50 SELECT 'Monthly Revenue Only (SUM)' AS section;
51 SELECT
52     strftime('%Y', order_date) AS year,
53     strftime('%m', order_date) AS month,
54     SUM(amount) AS total_revenue
55 FROM
56     online_sales
57 GROUP BY
58     year, month;
59
60 -- d. COUNT(DISTINCT order_id) for volume
61 SELECT 'Monthly Order Volume Only (COUNT DISTINCT)' AS
62 SELECT
63     strftime('%Y', order_date) AS year,
64     strftime('%m', order_date) AS month,
65     COUNT(DISTINCT order_id) AS order_volume
66 FROM
67     online_sales
68 GROUP BY
69     year, month;
70
71 -- e. Combine SUM + COUNT and ORDER BY
72 SELECT 'Revenue + Volume Ordered by Month' AS section;
73 SELECT
74     strftime('%Y', order_date) AS year,
75     strftime('%m', order_date) AS month,
76     SUM(amount) AS total_revenue,
77     COUNT(DISTINCT order_id) AS order_volume
78 FROM
79     online_sales
80 GROUP BY
81     year, month
82 ORDER BY
83     year, month;
84
```

## Comments

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## Supported languages

Deno	JavaScript	NodeJS	Python	Ruby	Go
C	C++	Java	C#	TypeScript	PHP
Bash	R	Octave (MATLAB)	Fortran	Lua	Erlang
SQL	MySQL	MongoDB	Clojure	D	Perl
Kotlin	Swift	Rust	Assembly		

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